Installation manual for Schleifenbauer Gateway

Physical installation

Connecting power lead
The Gateway is equipped with a Wieland (GST18/3) connector at the rear side. Connect your power lead to the the connector and make sure that the fixing hook is properly hooked in the connector. This will ensure that the cable will not accidentally be disconnected, thus leaving your Gateway without power.

Disconnecting power lead
In case you need to disconnect the power lead from the Gateway, use a flat screw driver to push the fixing aside. Now you can pull the Wieland plug out of its receptacle.

Mounting the Gateway
The 19" mounting 'ears' of the Gateway have 3 off-centre holes for fixing to the 19" panels. The off-centre holes ensure that you will always find the right hole to adjust the Gateway so that no space in your cabinet is wasted.
Before fixing the PDU to the panel mounts check which of the 3 holes fits to a 19" panel hole. Fix a cage nut (if needed) and bolt the PDU to the 19" panel mount with 1 bolt to each side.

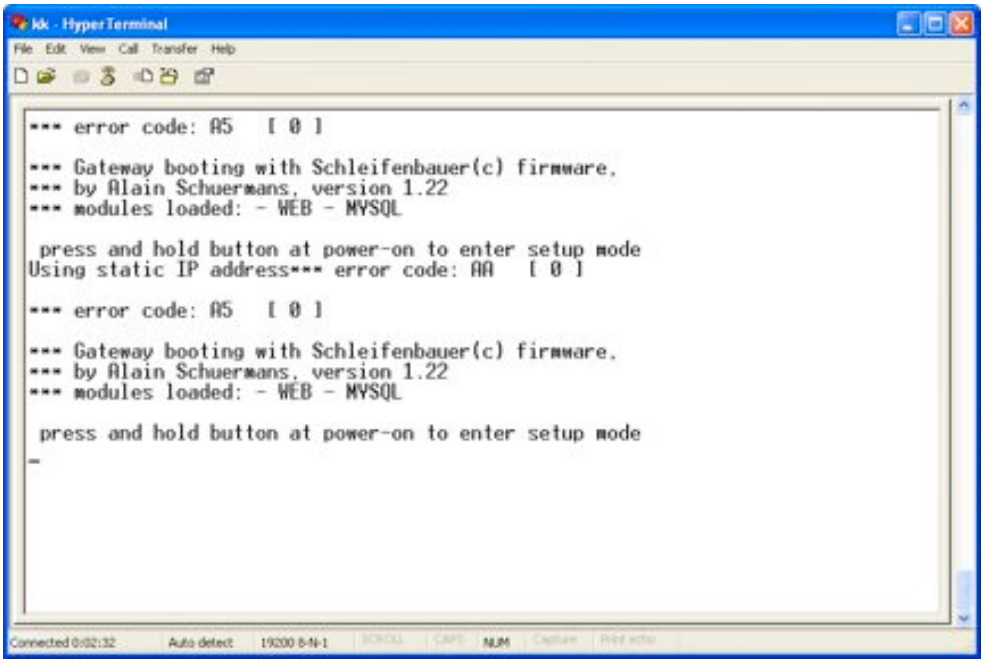
Gateway interfaces

Overview of the Gateway connections:

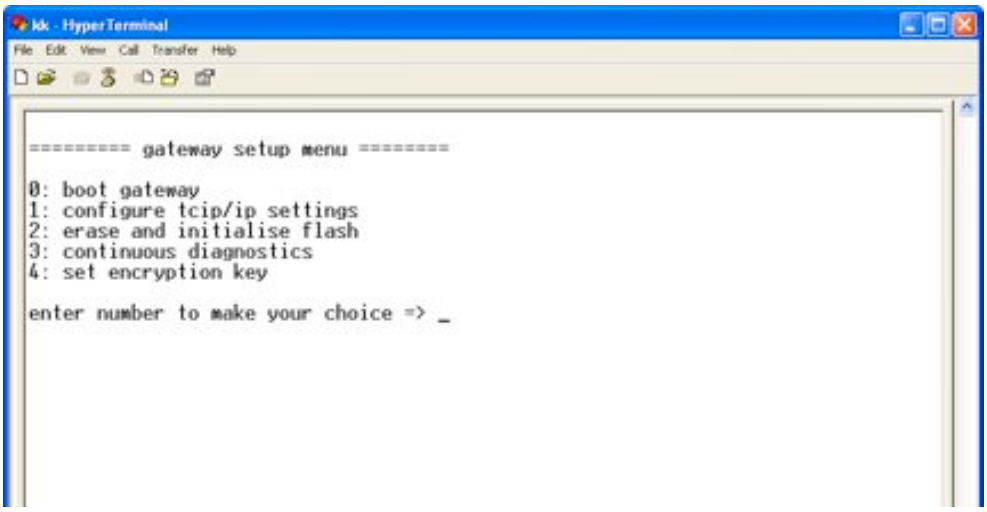
data bus	Starting point for Schleifenbauer data bus. From here you connect a standard CAT5 cable to the 1st Schleifenbauer PDU.
close ring	(optional) Termination point of the Schleifenbauer data bus. If you terminate the data bus, by installing a CAT5 cable between the last unit on the bus and this port, you have created a ring. This will offer redundancy against a single disconnection in the data bus. (available through software update late Q1 '09)
ethernet	To connect to your TCP/IP Local Area Network (LAN)
USB	Use a USB printer cable to connect to your PC. Via this port you can get access to the configuration menu
RS232	Currently not activated
setup reset	Hold the reset button for 15 seconds to force a reset of the Gateway. Continue to hold to enter set-up mode
error	Lights up in case of an error
Port	OFF: Rx and TX via **data bus** connector ON: Rx and TX via **close ring** (if it lights very frequently: data bus possibly disrupted, otherwise just checking the ring)
Tx	Transmit. Data being transmitted over data bus
Rx	Receive. Data being received over data bus
Link	Lights up blue if the LAN connection is OK
Act	Lights up blue when data is transmitted

TCP/IP setup

Connect your Gateway to the TCP/IP network (LAN). By default the Gateway is set up to obtain an IP-address from your DHCP server on your LAN. Power up your Gateway after connecting the Gateway to your LAN with a standard CAT5 (or better) cable.
Connect the supplied USB cable to the USB port of the Gateway and the USB port of your computer. If the USB serial driver is not yet installed on your computer it will look for it automatically. Make sure that your computer is connected to the Internet.
Open Hyperterminal with settings 19200-8-N-1 (none) and boot the Gateway by pressing the reset button and hold for 15 seconds. You might see a screen like this one:


kk - HyperTerminal
File Edit View Call Transfer Help
*** error code: A5 [0]
*** Gateway booting with Schleifenbauer(c) firmware,
*** by Alain Schuermans, version 1.22
*** modules loaded: - WEB - MYSQL
press and hold button at power-on to enter setup mode
Using static IP address*** error code: AA [0]
*** error code: A5 [0]
*** Gateway booting with Schleifenbauer(c) firmware,
*** by Alain Schuermans, version 1.22
*** modules loaded: - WEB - MYSQL
press and hold button at power-on to enter setup mode
Connected 0:02:32
Auto detect
19200 8-N-1

The Gateway will show what IP address has been assigned to it. If you need to work with fixed IP-address you need to reboot the Gateway and hold the reset button until you are asked to release. The Gateway will start a self-test procedure after which you need to press the reset button one more time to enter the Set-Up menu as shown below:


kk - HyperTerminal
File Edit View Call Transfer Help
========= gateway setup menu ========
0: boot gateway
1: configure tcip/ip settings
2: erase and initialise flash
3: continuous diagnostics
4: set encryption key
enter number to make your choice => _

Follow the instruction in the Hyperterminal window to set-up a fixed IP-address.
You can now enter the IP-address in your web browser to get access to the Gateway (default user = **power**, no password. Please change asap !)
See the Operations Manual for more detailed information on the Gateway.